

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/02878

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ H01M10/04, 10/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H01M10/04, 10/28, 10/40

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 11-121044 A (Nitto Denko Corp.), 30 April, 1999 (30.04.99), (Family: none)	1-5
A	JP 2001-283894 A (Sanyo Electric Co., Ltd.), 12 October, 2001 (12.10.01), (Family: none)	1-5
A	EP 1102342 A2 (SHIN KOBE ELECTRIC MACHINERY), 23 May, 2001 (23.05.01), & US 6509114 B1 & JP 2001-143762 A	1-5
A	JP 07-134984 A (Sony Corp.), 23 May, 1995 (23.05.95), (Family: none)	1-5

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

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"&" document member of the same patent family

Date of the actual completion of the international search
09 May, 2003 (09.05.03)Date of mailing of the international search report
20 May, 2003 (20.05.03)Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 09-283178 A. (Sony Corp.), 31 October, 1997 (31.10.97), (Family: none)	1-5